

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/696,016
Applicant(s) : Casale et al.
Filed : 10/29/2003
TC/A.U. : 1639
Examiner : Lundgren, Jeffery S.
For : Methods, Compositions and
Libraries Pertaining PNA
Dimer and PNA Oligomer
Synthesis
Customer No. : 23544

Confirmation No.: 7084

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being transmitted via the EFS Web to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

Date of Deposit: 6-28-07

Signature: *James E. Tucci*

Name of Depositing Party: *James E. Tucci*

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants submit herewith patents, publications or other information listed on the attached Information Disclosure Statement of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR §1.56.

This Information Disclosure Statement:

- (a) [] accompanies a new patent application submitted herewith.
- (b) [] is filed within three months after the filing date of the application or within three months after the date of entry of the national stage of a PCT application as set forth in 37 CFR §1.491.
- (c) [] as far as is known to the undersigned, is filed before the mailing date of a first Office action on the merits.
- (d) [] as far as is known to the undersigned, is filed before the mailing date of a first

- Office action after the filing of a request for continued examination under § 1.114.
- (e) ☒ is filed after the first Office Action and more than three months after the application's filing date or PCT national stage date of entry filing but, as far as is known to the undersigned, prior to the mailing date of either a final action under §1.113, a notice of allowance under §1.311, whichever occurs first, and is accompanied by either the fee (\$180) set forth in 37 CFR §1.17(p) or a certification as specified in 37 CFR §1.97(e), as checked below. Should any fee be due, the U.S. Patent and Trademark Office is hereby authorized to charge Deposit Account No. 01-2213 in the amount of \$180.00 to cover the cost of this Information Disclosure Statement. Any deficiency or overpayment should be charged or credited to this deposit account. **A duplicate of this sheet is enclosed.**
- (f) ☐ is filed after the mailing date of either a final rejection or a notice of allowance, but on or before the payment of the issue fee, and is accompanied by the fee (\$180) set forth in 37 CFR §1.17(i)(1) and a certification as specified in 37 CFR §1.97(e), as checked below. **This document is to be considered as a petition requesting consideration of the information disclosure statement.** The U.S. Patent and Trademark Office is hereby authorized to charge Deposit Account No. 01-2213 in the amount of \$180.00 to cover the cost of this Information Disclosure Statement. Any deficiency or overpayment should be charged or credited to this deposit account. **A duplicate of this sheet is enclosed.**

[If either of boxes (e) or (f) is checked above, the following "certification" under 37 CFR §1.97(e) may need to be completed.] The undersigned certifies that:

- ☐ Each item of information contained in the information disclosure statement was first cited in a communication mailed from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication mailed from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this information disclosure statement.

A copy of the items on the Information Disclosure Statement that are not United States Publications:

☐ are supplied herewith.

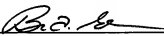
☒ are not supplied because they were previously cited by or submitted to the Office in application Serial No. 10/655,731, filed 9/5/03 and relied upon in this application for an earlier filing date under 35 USC §120.

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR §1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR §1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR §1.56(a) exists. It is submitted that the Information Disclosure Statement is in compliance with 37 CFR §1.98 and MPEP §609 and the Examiner is respectfully requested to consider the listed references.

Respectfully submitted,

Date: June 28, 2007



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U.S. DEPARTMENT OF COMMERCE, PATENT AND TRADEMARK OFFICE				Atty Docket No. BP0206US-CN1		Application No. 10/696,016	
REFERENCES CITED BY APPLICANTS				Applicant			
(Use several sheets if necessary)				CASALE et al.			
				Filing Date		Group	
				October 29, 2003		1639	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	ABO	6,083,682	07-2000	Campbell et al.			
FOREIGN PATENT DOCUMENTS							
						TRANSLATION	
		DOCUMENT Number	DATE	COUNTRY	CLASS	SUBCLASS	YES NO
	BH	WO00/33084	06/08/00	PCT			<input type="checkbox"/> <input type="checkbox"/>
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	CCM	Bollhagen, et al. (1994) J. Chem. Soc., Chem. Commun. 2559-2560, 1994					
	CCN	Capasso, D. et al. "Solid phase synthesis of DNA-3'-PNA chimeras by using Bhoc/Fmoc PNA monomers", Tetrahedron, Elsevier Science Publishers, Amsterdam, NL, vol. 57, no. 46, 12 November 2001, pgs. 9481-9486					
	CCO	Casale, Ralph et al. "Synthesis of PNA Oligomers by Fmoc Chemistry", Peptide Nucleic Acids: Protocols and Applications, 1999, pgs. 39-50					
	CCP	Eda et al. Tetrahedron Letters 42:2063-2068 (2001)					
	CCQ	Hyrup, B. et al. "Peptide Nucleic Acids (PNA): Synthesis, Properties and Potential Applications", Bioorganic & Medicinal Chemistry, Elsevier Science Ltd., GB, vol. 4, no. 1, 1996, pgs. 5-23					
	CCR	Kovacs et al. Fourth International Electronic Conference on Synthetic					
	CCS	Kovacs, G. et al, "Synthesis and analysis of peptide nucleic acid oligomers using Fmoc/acyl-protected monomers", J. Chem. Soc., Perkin Trans. I, 23 April 2002, pgs. 1266-1270					
	CCT	Rink, Tetrahedron Letters, 1987,28:3787-3790					
	CCU	Seitz O. et al. "Convergent strategies for the attachment of fluorescing reporter groups to peptide nucleic acids in solution and on solid phase." Chemistry, vol. 7, no. 18, 17 September 2001, pgs. 3911-3925					
	CCV	Supplementary Partial European Search Report, 22 Dec 2006					
Examiner				Date Considered			
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.							